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Recombinant Human LRG1(P133S) Protein

Catalog No.: RP01986 Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
Human	116844	P02750

Tags
C-6His

Synonyms
LRG1; LRG;Leucine-rich alpha-2-glycoprotein; LRG

Product Information

Source	Purification
HEK293 cells	≥ 90 % as determined by SDS-PAGE.

Calculated MW	Observed MW
35.16 kDa	45-55 kDa

Endotoxin
< 1 EU/μg of the protein by LAL method.

Formulation
Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.

Reconstitution
Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

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Background

Diabetic nephropathy (DN) is an important public health concern of increasing proportions and the leading cause of end-stage renal disease (ESRD) in diabetic patients. It is one of the most common long-term microvascular complications of diabetes mellitus that is characterized by proteinuria and glomerular structural changes. LRG1 is a novel pro-angiogenic factors involved in the abnormal angiogenesis and renal fibrosis in DN.

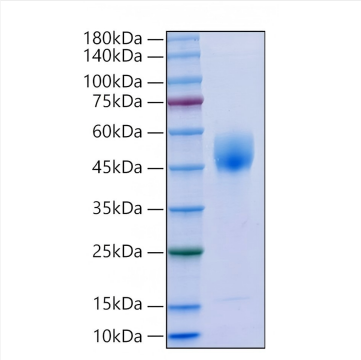
Basic Information

Description
Recombinant Human LRG1(P133S) Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Vla36-Gln347□Pro133Ser□) of Human LRG1(P133S) (Accession #NP_443204.1) fused with His tag at the C-terminus.

Bio-Activity

Storage
Store at -20℃.Store the lyophilized protein at -20℃ to -80 ℃ up to 1 year from the date of receipt.
After reconstitution, the protein solution is stable at -20℃ for 3 months, at 2-8℃ for up to 1 week.
Avoid repeated freeze/thaw cycles.

Validation Data



Recombinant Human LRG1(P133S) Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.